Material Safety Data Sheet

May be used to comply with OSHA`s Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Identity ***(As Used on Label and List)***
LR44

Note: Blank space are not permmited. If any item is not applicable,or no information is available, the space must be marked to indicate that.

Section I

Manufacturer`s Name CHUNG PAK BATTERY WORKS LTD.	**Emergency Telephone Number** Not applicable
Address ***(Number, Street, City, State, and ZIP Code)*** 7/F., CHUNG PAK COMMERCIAL BLDG.,2 CHO	**Telephone Number for information** (00852)27171338
YUEN ST., YAU TONG BAY, KOWLOON, HONG	**Date Prepared** JUN 21, 2005
KONG	**Signature of Preparer (optional)**

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	Other Limits Recommended	%(optional)
Mercury (Hg) (wt%)			0.865%
Cadmium (Cd) (wt%)			0.000432%
Lead (Pb) (wt%)			0.00793%

Section III - Physical/chemical Characteristic

Boiling point	N/A	**Specific Gravity (H_2O=1)**	N/A
Vapor Pressure (mm Hg)	N/A	**Melting Point**	N/A
Vapor Density (Air=1)	N/A	**Evaporation Rate (Butyl Acetate=1)**	N/A
Solubility in water	N/A		
Appearance and odor	N/A		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method used)	**Flamable Limits**	**LEL**	**UEL**
None-flammable	N/A		

Extinguishing Media
Dry Chemical, Foam , Water, Carbon Dioxide

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
No unusual fire occur, but may explode if ignited.

Section V - Reactivity Data

Stablity	Unstable		Condition to avoid Avoid shorting
	Stable	X	

Incompatibility (Material to Avoid)

None

Hazardous Decomposition or Byproducts

None

Hazardous Polymerization	May occur		Condition to avoid None
	Will not occur	X	

Section VI - Health Hazard Data

Not applicable for finished product used in normal conditions.

Route(s) of Entry: **Inhalation?** **Skin ?** **Ingestion?**

Health Hazards (Acute and Chronic)

Carcinogenicity: **NTP ?** **IARC Monographs ?** **OSHA Regulation ?**

Signs and Smptoms of Exposure

Medical Conditions

Emergency and First Aid Procedures
First Aid Measures

The product contains organic electrolyte, in case of electrolyte leakage from the battery, actions described below are required.

Eye contact : Flush the eyes with plenty of clean water for at least 15 minutes immediately, without rubbing. Take a medical treatment. If appropriate procedures are not taken, this may cause an eye irritation.

Skin contact : Wash this contact areas off immediately with plenty of water and soap. If appropriate procedures are not taken, this may cause sores on the skin.

Inhalation : Remove to fresh air immediately. Taken a medical treatment.

Section VII - Precautions for Handling and Use

Steps to Be Taken in Case Material Is Released or spilled

Flush with large amounts of water.

Waste Disposal Method

Dispose in accordance with Federal, States and local regulations.
Do not incinerate.

Precautions to Be Taken in Handling and Storing

Do not make cells shorted.

Other Precautions

Do not heat or dispose of in fire. Do not recharge or disassemble the battery.

Section Ⅷ - Control Measures

Not applicable for finished product.

Respiratory Protection (Specify Type)

Ventilation	**Local Exhaust**	**Special**
	Mechanical (General)	**Other**

Protective Gloves	**Eye Protection**

Other Protective Clothing or Equipment

Work/Hygienic Practices

Section IX –Transportation

Chung Pak Battery Works Ltd. produced Alkaline Button Cell are considered to be "dry cell" batteries and are unregulated for purpose of transportation by U.S. Department of Transportation (DOT),International Civil Aviation Administration (ICAA), International Air Transport Association (IATA) and the International Maritime Dangerous Goods regulations (IMDG). The only DOT requirement for shipping these batteries is Special Provision 130 which states: "Batteries, dry , are not subject to the requirements of these subchapter only when they are offered for transportation in a manner that prevents the dangerous evolution of heat (for example, by the effective insulation of exposed terminals)."

The requirements for shipping these batteries, in all modes of transportation, are that they must be separated from each other to prevent short-circuits and to prevent movement that could lead to short-circuits. Products must also be packed in strong packaging that can withstand the rigors normal to transportation. These products are labeled in accordance to requirements for cargo shipments of Alkaline Button Cell Batteries and Batteries.